

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

WHAT IS CLAIMED IS:

1. Cancelled.
2. Cancelled.
3. Cancelled.
4. Cancelled.
5. Cancelled.
6. Cancelled.
7. Cancelled.
8. Cancelled.
9. Cancelled

10. [original] A double layer capacitor comprising:

a first electrode structure that includes a first current collector foil, a first primary coating formed on the first current collector foil, and a first secondary coating formed on the first primary coating;

a second electrode structure that includes a second current collector foil, a second primary coating formed on the second current collector foil, and a second secondary coating formed on the second primary coating, wherein the first and second primary coatings include conducting carbon powder and the first and second secondary coatings include activated carbon powder;

a porous separator positioned between the first and second electrodes structures;
and

means for saturating the porous separator and the first and second electrodes structures in a prescribed electrolytic solution.

11. [original] A double layer capacitor in accordance with claim 10, further comprising:

a first capacitor terminal; and

a second capacitor terminal;

wherein a portion of the first current collector foil is coupled to the first capacitor terminal and a portion of the second current collector foil is coupled to the second capacitor terminal.

12. [original] A double layer capacitor in accordance with claim 10, wherein an amount of the conducting carbon powder in the first and second primary coatings falls in the range of 25 to 95 percent-by-weight.

13. [original] A double layer capacitor in accordance with claim 10, wherein the first and second primary coatings are free of activated carbon.

14. [original] A double layer capacitor in accordance with claim 10, wherein the amount of the activated carbon powder in the first and second secondary coatings falls in the range of 50 to 98 percent-by-weight.

15. [original] A double layer capacitor in accordance with claim 10, wherein the first and second secondary coatings further comprise conducting carbon powder.

16. [original] A double layer capacitor in accordance with claim 10, wherein the first and second electrode structures each comprise a stack of a plurality of individual electrodes having their respective current collector foils connected in parallel, and further wherein the individual electrodes of one stack are interleaved with the individual electrodes of another stack, the porous separator preventing electrical shorting between the interleaved individual electrodes.

17. [new] An energy storage device comprising:

at least one electrode, the electrode including a current collector, a primary layer formed on the current collector, and a secondary layer formed on the primary layer, wherein the primary layer comprises conductive carbon and the secondary layer comprises activated carbon.

18. [new] The energy storage device of claim 17, wherein the primary layer includes 25 to 95 percent-by-weight conducting carbon.

19. [new] The energy storage device of claim 17, wherein the primary layer is free of activated carbon.

20. [new] The energy storage device of claim 17, wherein the secondary layer comprises 50 to 98 percent-by-weight activated carbon.

21. [new] The energy storage device of claim 17, wherein the secondary layer further comprises conductive carbon.